



Technical Training

The value of our training courses

by Bob Hayashida
Machinery Diagnostics
Training Manager
Bently Nevada Corporation

Training, most will agree, is valuable, although that value is sometimes hard to quantify. However, the value of Bently Nevada Training Courses is evident every day, all over the world, in the performance of our people. Our employees attend Bently Nevada Training Courses to learn the newest hardware and software for machinery protection and management, and the latest methods for understanding and diagnosing machinery faults. These courses help our Machinery Diagnostic Services and Product Service experts provide efficient and effective assistance. They also help our sales force focus on understanding customer business problems, in order to provide quality solutions. The same training courses are available to you, so you can gain the field-proven knowledge and skills that our customers rely upon when they call Bently Nevada.

One such example is our Machinery Diagnostics Course, where the emphasis is placed on understanding the behavior of rotating machinery and the fundamental causes of machine malfunctions. The course material has evolved through forty years of field experience and from our research subsidiary, Bently Rotor Dynamics Research Corporation. The central premise of the Machinery Diagnostic Course is that machine problems are best understood by viewing machine data in plot formats that emphasize specific machine characteristics. Course material is updated and refined as new diagnostic tools become available. For example, the course was expanded when the Full Spectrum plot format was developed, because a Full Spectrum plot contains significantly more useful information than is available in a traditional spectrum plot. Our

field engineers periodically attend the Machinery Diagnostics Course to learn the latest advances in machinery diagnostics.

Bently Nevada employees also attend Product Training courses and review Self-Paced training materials, including Computer Based Training software, manuals and videotapes. Our people learn how to install, operate and maintain the advanced equipment that comprises an effective machinery management system. For instance, employees learn of the operational value made possible by leading-edge technologies for remote data access and networking, in courses on the 3300 and 3500 Monitoring Systems. The 3300 Interfacing to Computers course shows how to connect our industry-standard 3300 Monitoring System to computers, so plant personnel have the information required to make operating decisions that allow machines to run longer. The 3500 Installation and Maintenance course shows how to integrate our newest and most powerful monitoring system, the 3500 Machinery Management System, into plant information systems.

Bently Nevada personnel also attend courses specifically designed for our people. In a Problem Solving course, our employees learn rational approaches to

solving problems, so they can better help our customers. Training course instructors go further, completing "Teaching Technical Topics," a course in *learner-centered* instruction. In this course, instructors learn how to define course objectives and materials clearly, so each student's capabilities can be measured. After completing the training programs, instructors are thoroughly tested, before they are certified to teach any Bently Nevada course.

Others within the organization also attend standard training courses. Bently Nevada's Engineering, Marketing and Sales personnel attend Product and Machinery Diagnostic courses, so they understand both the capabilities of our products, and why those capabilities provide value. Training helps everyone at Bently Nevada to design, build and provide the products, services, and training that meet our customers' business needs.

Bently Nevada is committed to providing high quality training, to both our employees and our customers. The results are clear, in the efficient, professional approach our experts take in solving customer problems. It is also evident in the customers who have attended these courses. In every industry around the world, Bently Nevada Training Course graduates have a distinct advantage when faced with machinery management decisions. We invite you to join us at our next training course. Contact the Training Department, or your nearest representative, for more information. ■

